



*atoms*



an Open Access Journal by MDPI

## 13th International Colloquium on Atomic Spectra and Oscillator Strengths for Astrophysical and Laboratory Plasmas

Guest Editors:

**Prof. Dr. Tomas Brage**

Division of Mathematical Physics,  
Department of Physics, Lund  
University, Box 118, SE - 221 00  
Lund, Sweden

**Prof. Dr. Roger Hutton**

Department of Astronomy,  
Beijing Normal University, Beijing  
100875, China

**Dr. Jun Xiao**

Institute of Modern Physics,  
Fudan University, Shanghai  
200433, China

Deadline for manuscript  
submissions:

**closed (15 November 2019)**

### Message from the Guest Editors

Dear Colleagues,

(1) The main goal of the ASOS conferences is to bring together ‘producers’ and ‘users’ of atomic data so as to ensure optimal coordination. Atomic physicists who study the structure of atoms and their radiative and collisional properties will be invited to explain the development of their work, while astrophysicists and laboratory plasma physicists will be invited to review their present research interests and the context in which atomic data are needed. The symposium will be held at Fudan University, Shanghai, China between 23rd and 27th June 2019.

(2) This Special Issue will provide an up-to-date reference to the current standing on atomic data for fusion and astrophysical plasma research, providing information on what data are available and what is also needed for future plasma diagnostics.

Prof. Dr. Tomas Brage

Prof. Dr. Roger Hutton

Dr. Jun Xiao

*Guest Editors*



[mdpi.com/si/29425](https://mdpi.com/si/29425)

# Special Issue



*atoms*



an Open Access Journal by MDPI

## Editor-in-Chief

### Dr. James F. Babb

Institute for Theoretical Atomic  
and Molecular Physics, Center for  
Astrophysics | Harvard &  
Smithsonian, Cambridge, MA  
02138, USA

## Message from the Editor-in-Chief

The scope of *Atoms* is deliberately wide and encompasses a large part of theoretical and experimental atomic, molecular, nuclear, and chemical physics in order to encourage cross-disciplinary connections, while supporting the more traditional idea of individual subfields. The journal is also interested in papers concerning the computation and compilation of data related to applications in the above areas. Details of experimental methods and codes are welcome. Your research is taken seriously and peer-reviewed with care. I encourage you to contact me or any of the Editorial Board Members for further information.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, ESCI (Web of Science), Astrophysics Data System, Inspec, CAPlus / SciFinder, INSPIRE, and other databases.

**Journal Rank:** CiteScore - Q2 (*Nuclear and High Energy Physics*)

## Contact Us

---

*Atoms* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/atoms  
atoms@mdpi.com  
X@Atoms\_MDPI